Rational Tool Implementation
Support Team
Training Plan

Student Financial Assistance (SFA)
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The following outlines a Training Plan for the various roles that make up the Rational Tool Implementation Support Team (RTIST). This document is broken into three different sections. The first two sections contain the Enterprise Tool Administrator and the Project roles, along with a list of recommended courses needed to successfully perform these roles. The descriptions of these courses are contained in the third section. This plan only includes plans for the Rational tools supported by the RTIST: ClearCase, ClearQuest, and RequisitePro.

1. Enterprise Tool Administrator:

Role	Recommended Courses/Training
Enterprise ClearQuest Administrator	• ClearQuest Administration • Rational Suite Administration • RequisitePro CBT
Enterprise ClearCase Administrator	• ClearCase Administration • ClearCase Fundamentals • Rational Suite Administration • RequisitePro CBT
Enterprise RequisitePro Administrator	• Rational Suite Administration • RequisitePro Fundamentals

2. Project Roles:

Role	Recommended Courses/Training
Project ClearQuest Administrator	• ClearQuest Administration
Project ClearQuest User	• Project ClearQuest Procedures
Project ClearCase Administrator	• ClearCase Administration • ClearCase Fundamentals
Project ClearCase User	• ClearCase Fundamentals • Project ClearCase Procedures
RequisitePro Administrator	• RequisitePro Fundamentals or CBT
RequisitePro User	• RequisitePro CBT

3. Course Descriptions:

Rational ClearCase Fundamentals (2 days - $1195) - Topics in this course cover the concepts and usage of Rational ClearCase, providing development teams with the tools necessary to accelerate development cycles, ensure accuracy of releases, reliably build and patch previously shipped products, and organize an automated development process. Upon completion of the course, participants should be able to:

Use ClearCase to do the following:

- Control versions of files and directories
- Execute builds
- View configuration records
- Set configuration specifications
- Create branches
- Set up private branches
- Merge file elements
- Create and apply the metadata types "labels" and "attributes"

Topics Covered:

- Getting started in ClearCase
- Finding your way in ClearCase
- Version control of files
- Version control of directories
- Clearmake
- Configuration specifications
- Snapshot views
- Branching with ClearCase
- Merging with ClearCase
- Using ClearCase metadata

Rational ClearCase Administration (2-3 days - $1195) - Rational® ClearCase® Administration is designed for experienced Rational ClearCase users and ClearCase system administrators. Students build their knowledge from the Rational® ClearCase® Fundamentals and the Applying Rational® ClearCase® Metadata courses. Instruction includes learning techniques to ease deployment and maintenance of a ClearCase implementation from initial project planning through configuration, installation, and ongoing administration.

Use ClearCase to do the following:

- Demonstrate knowledge of the ClearCase environment

- Plan for a ClearCase implementation
- Administer regions and registries
- Manage VOBs and Views
- Administer storage pools
- Schedule jobs
- Manage ClearCase access control
- Install ClearCase
- Set up ClearCase licensing
- Administer an interop site
- Back up and restore ClearCase objects

Topics Covered:

- The ClearCase environment
- Planning for a ClearCase implementation
- Regions and registries
- Managing VOBs and Views
- Storage pools and the job scheduler
- ClearCase access control
- Installation of ClearCase
- ClearCase licensing
- Data migration
- Administering an interop site
- Backing up and restoring ClearCase objects

Rational RequisitePro Fundamentals or CBT (1 day - $795/no cost for CBT) - The Rational RequisitePro Fundamentals course provides a workshop using RequisitePro, Rational's tool for capturing and managing requirements for a project. Hands-on labs are used to enhance the concepts presented in the Requirements Management with Use Cases course. Students gain an understanding of RequisitePro project structure and use the tool to apply software development best practices as recommended in the Rational Unified Process. Upon completion of the course, participants should be able to:

Use RequisitePro to do the following:

- Define and customize RequisitePro project structure and components
- Create and build a project
- Create, import, and revise requirements, attributes, and requirement documents
- Define hierarchies of requirements
- Trace requirements to one another
- Manage changing requirements through views, queries, and metrics

Topics Covered:

- Introduce Requirements Management and Rational RequisitePro product
- Establish the project; analyze the problem
- Project planning and definition
- Gather project requirements; understand stakeholder needs
- Create and revise requirements and attributes
- Import requirements from external sources
- Explore hierarchical requirement relationships
- Create RequisitePro documents; define the system
- Create RequisitePro documents and requirements in documents
- Import Microsoft Word documents into the RequisitePro project
- Define views and Traceability; manage scope
- Manage project requirements through views and queries
- Establish traceability relationships between requirements
- Set up metrics and offline authoring; refine the system
- Establish group discussions; manage changing requirements
- Introduce RequisiteWeb Interface

The CBT covers the lessons learned from the class but can be done remotely.

Rational ClearQuest Administration (3 days - $1795) - This course provides the training for using Rational ClearQuest to track defects and change requests. Upon completion of the course, participants should be able to:

Use ClearQuest to do the following:

- Plan and implement the defect and change tracking process
- Use ClearQuest to track defects and change requests
- Understand how to analyze the defect and change tracking results with ClearQuest
- Know how to use ClearQuest Web

Topics Covered:

- The architecture of Rational ClearQuest
- Planning and implementing the defect and change tracking process
- Using Rational ClearQuest to submit change requests, modify existing records, run queries, create charts, and generate reports
- Learning the functionality of ClearQuest Web and ClearQuest E-mail subsystems

Rational Suite Workshop (5 days - $2750) – Rational Suite^{TM} Workshop for Team

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Leaders is a hands-on development exercise in incremental, object-oriented, software engineering utilizing Rational Suite Enterprise to address, implement, and adopt software best practices.

The Rational Suite Workshop for Team Leaders simulates the practical immersion into an object-oriented software engineering environment that mirrors the Rational Unified Process^{TM} (RUP) while implementing the applications in Rational Suite Enterprise. The course begins by introducing the students to the fundamentals involved in leading a team in an iterative development environment. The instructor guides the students in understanding the principles in planning an iteration, and actually involves the students in determining the criteria for concluding the success of the iteration.

Topics Covered:

- Requirements
- Analysis and Design
- Test
- Project Management
- Environment
- Configuration and Change Management

Project ClearCase Procedures (TBD – No Cost) – This would be a presentation run by the Project ClearCase Administrator in conjunction with the Rational Tool Implementation Support Team. It would introduce project configuration management (CM) procedures to the team and show them how ClearCase would be used to help with CM. Users would get a hands-on chance to see ClearCase being used. Targeted users would be developers, database administrators, and testers.

Project ClearQuest Procedures (TBD – No Cost) – This would be a presentation run by the Project ClearQuest Administrator in conjunction with the Rational Tool Implementation Support Team. It would introduce project issue/change request tracking procedures to the team and show them how ClearQuest would be used to track issues or changes. Users would get hands-on experience with ClearQuest. The whole team could gain from understanding ClearQuest and how it would help with issue/change request tracking.